

5'	CGA	CCG	TCC	GCG	GGA	GAC	TGA	GGT	CCT	GAG	CCG	ACA	GCC	TCA	GCT	CCC	TGC	CAG	54
	9		18		27		36		45		54								
	63	AGA	CCC	GGC	AGA	CAG	ATG	AGG	GCC	CAG	GAG	GCC	TGG	CGG	GCC	TGG	GGG	CGC	108
	72		81		90		99												
	117	GGT	GGG	AGA	GGA	AGC	CAG	GGG	TAC	CTG	CCT	CTG	CCT	TCC	AGG	GCC	ACC	GTT	162
	126		135		144		153												
	171	CCC	AGC	TGT	GCC	TTG	ACT	ACG	TAA	CAT	CTT	GTC	CTC	ACA	GCC	CAG	AGC	ATG	216
	180		189		198		207												
	225	CAG	ATC	CCA	GAG	TTT	GAG	CCG	AGT	GAG	CAG	GAA	GAC	TCC	AGC	TCT	GCA	GAG	270
	234		243		252		261												
	279	GGC	CTG	GGC	CCC	AGC	GCA	GGG	GAC	GGG	CCC	TCA	GGC	TCC	GGC	AAG	CAT		324
	288		297		306		315												
	333	CAG	CCC	CCA	GGC	CTC	TGG	GAC	GCC	AGT	CAC	CAG	CAG	GAG	CAG	CCA			378
	342		351		360		369												
	378	HRQ	APG	LGL	WLW	DLS	HAQ	QEQ	QEQ	QEQ	QEQ	QEQ	QEQ	QEQ	QEQ	QEQ	QEQ	QEQ	

FIGURE 1A

387	ACC AGC AGC CAT CAT GGA GGC GCT GGG GCT GAG ATC CGG AGT CGC CAC	405	414	423	432
T S S S H H G G A G A V E I R S R H					
441	AGC TCC TAC CCC GGG ACG GAG GAC GAA GAG ATG GGG GAG GAG CCC AGC	459	468	477	486
S S Y P A G T E D D E G M G E E P S					
495	CCC TTT GGC GGC TCG CGC TCG GCG CCC CCC AAC CTC TGG GCA GCA CAG CGC	513	522	531	540
P F R G R S R S A P P N L W A A Q R					
549	TAT GGC CGC GAG CTC CGG AGG ATG AGT GAC GAG TTT GTG GAC TCC TTT AAG AAG	567	576	585	594
Y G R E L R R M S D E F V D S F K K					
603	GGA CTT OCT CGC CCG AAG AGC GCG GGC ACA GCA ACG CAG ATG CGG CAA AGC TCC	621	630	639	648
G L P R P K S A G T A T Q M R Q S S					
657	AGC TGG ACG CGA CTC CAG TCC TGG TGG GAT CGG AAC TTG GGC AGG GGA AGC	675	684	693	702
S W T R V F Q S W W D R N L G R G S					
711	TCC GCC CCC TCC CAG TGA CCT TCG CTC CAC ATC CCG AAA CTC CAC CGG TTC CCA	729	738	747	756
S A P S Q					

FIGURE 1B

765	774	783	792	801	810
CTG CCC TGG GCA GCC ATC TTG AAT ATG GGC GGA AGT ACT TCC CTC AGG CCT ATG					
819	828	837	846	855	864
CAA AAA GAG GAT CCG TGC TGT CTC CTT TGG AGG GAG GGC TGA CCC AGA TTC CCT					
873	882	891	900	909	918
TCC GGT GCG TGT GAA GCC ACG GAA GGC TTT GTT CCA TCG GAA GTT TTG GGT TTT					
927	936	945	954	963	972
CCG CCC ACA GCC GCC GGA AGT GGC TCC GTG GCC CCG CCC TCA GGC TCC GGG CTT					
981	990	999	1008	1017	1026
TCC CCC AGG CGC CTG CGC TAA GTC GCG AGC CAG GTT TAA CCG TTG CGT CAC CGG					
1035	1044	1053	1062	1071	1080
GAC CCG AGC CCC CGC GAT GCC CTG GGC GCC GTG CTC ACT ACC AAA TGT TAA TAA					
1089	1098				
AGC CCG CGT CTG TGC AAA AAA AAA A 3'					

FIGURE 1C

1	M	F	Q	I	P	E	F	P	S	E	Q	E	D	S	S	A	E	R	G	L	G	P	S	P	A	G	D	G	P	S	G	K	H	H	R	Q	358673				
1	M	F	Q	I	P	E	F	P	S	E	Q	E	D	S	S	A	E	R	G	L	G	P	S	P	A	G	D	G	P	S	G	K	H	H	R	Q	GI 1683637				
41	A	P	G	L	L	D	A	S	H	Q	Q	E	Q	P	T	S	S	S	H	G	G	A	G	A	V	E	I	R	S	R	H	S	S	P	A	G	T	358673			
41	A	P	G	L	L	D	A	S	H	Q	Q	E	Q	P	T	S	S	S	H	G	G	R	W	G	C	G	D	P	E	S	P	Q	L	L	P	R	G	D	GI 1683637		
81	E	D	D	E	G	M	G	E	E	P	S	P	F	R	G	R	S	R	S	A	P	P	N	L	W	A	A	Q	R	Y	G	R	E	L	R	R	M	S	D	E	358673
81	G	G	R	R	D	G	G	A	Q	P	F	R	G	R	S	R	S	A	P	P	N	L	W	A	A	Q	R	Y	G	R	E	L	R	R	M	S	D	E	GI 1683637		
121	F	V	D	S	F	K	K	G	L	P	R	P	K	S	A	G	T	A	T	Q	M	R	Q	S	S	S	W	T	R	V	F	Q	S	W	W	D	R	N	L	G	358673
121	F	V	D	S	F	K	K	G	L	P	R	P	K	S	A	G	T	A	T	Q	M	R	Q	S	S	S	W	T	R	V	F	Q	S	W	W	D	R	N	L	G	GI 1683637
161	R	G	S	S	A	P	S	Q																													358673				
161	R	G	S	S	A	P	S	Q																													GI 1683637				

FIGURE 2

108290-45946860

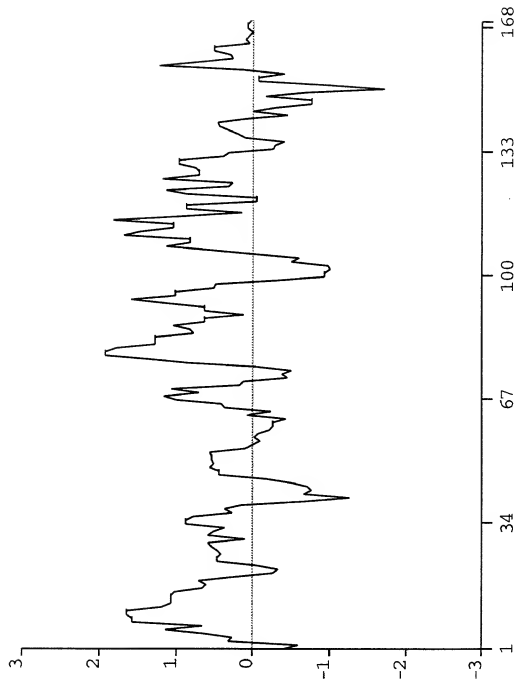


FIGURE 3A

708290.2591660

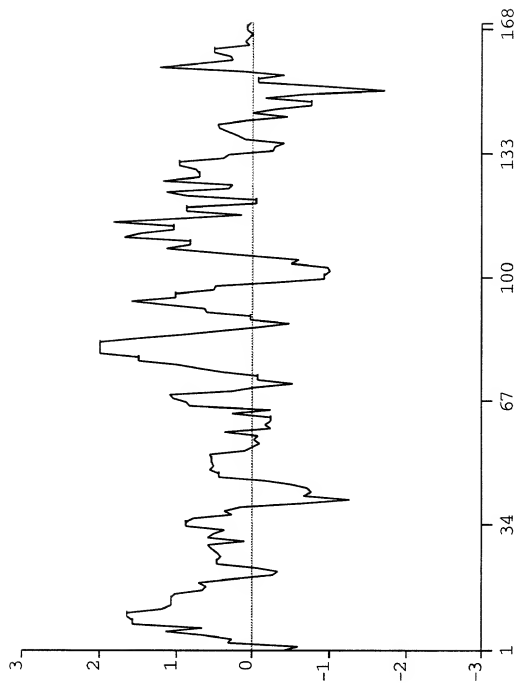


FIGURE 3B

5' NG	9	18	27	36	45	54
ATG	CAG	CCC	ATT	CTC	TGG	AGA
ACT	TCC	TCA	CAC	ACC	GCA	AAG
AGA	AGA					
63	72	81	90	99	108	
CTG	AAA	GAC	AAA	CCT	GGG	TGC
AGC	AGA	GGT	CCA	GAT	AGA	TGA
GCT	TGT	GGC				
117	126	135	144	153	162	
ATC	CAT	TCC	CCA	AGT	TCA	GCC
TAG	GGA	CTC	CAC	GTA	CCC	CAG
CTG	CTC	GGT	CTC	ATT		
171	180	189	198	207	216	
GTT	CCA	GAA	CTG	CAT	TAG	TTA
AGA	TTA	AGA	TTA	CCC	AGA	CTT
GGA	TTT	CAA	AGG	AAT	ACT	
225	234	243	252	261	270	
TTC	ATT	GTT	CCG	TCT	GTA	ACA
CGA	AGT	AAT	TGG	GGC	CAG	CTG
GAT	GTC	AGG	ATG	M		
279	288	297	306	315	324	
CGT	GTG	GTT	ACC	ATT	GTA	ATC
TTC	TTC	TGC	TTT	TGC	AAA	GCG
GCT	GAG	CTG	CGC			
333	342	351	360	369	378	
AAA	GCA	AGC	CCA	GGC	AGT	GTG
AGA	AGC	CGA	GTG	AAT	CAT	GGC
CGG	GGT	GGA				
K	A	S	P	G	S	V
R	A	S	P	G	S	R
						N
						H
						G
						R
						A
						G

FIGURE 4A

387	GGC CGG AGA GGC TCC AAC CCG GTC AAA CGC TAC GCA CCA GGC CTC CCG TGT GAC	414	423	432
G R R G S N P V K R Y A P G L P C D				
441	GTG TAC ACA TAT CTC CAT GAG AAA TAC TTA GAT TGT CAA GAA AGA AAA TTA GTT	468	477	486
V Y T Y L H E K Y L D C Q E R K L V				
495	TAT GTG CTG CCT GGT TGG CCT CAG GAT TTG CTG CAC ATG CTG CTA GCA AGA AAC	522	531	540
Y V L P G W P Q D L L H M L A R N				
549	AAG ATC CGC ACA TTG AAG AAC AAC ATG TTT TCC AAG TTT AAA AAG CTG AAA AGC	576	585	594
K I R T L K N M F S K F K K L K S				
603	CTG GAT CTG CAG AAT GAG ATC TCT AAA ATT GAG AGT GAG GCG TTC TTT TGT	630	639	648
L D L Q Q N E I S K I E S E A F F G				
657	TTA AAC AAA CTC ACC ACC CTC TTA CTG CAG CAC AAC CAG ATC AAA GTC TTG ACG	684	693	702
L N K L T T L L L Q H N Q I K V L T				
711	GAG GAA GTG TTC ATT TAC ACA CCT CTC TTG AGC TAC CTG CGT CTT TAT GAC AAC	738	747	756
E E V F I Y T P L L S Y L R L Y D N				

FIGURE 4B

765	774	783	792	801	810
CCC TGG CAC TGT ACT TGT GAG ATA GAA ACG CTT ATT TCA ATG TTG CAG ATT CCC					
P W H C T C E I E T L I S M L Q I P					
819	828	837	846	855	864
AGG AAC CGG AAT TTG GGG AAC TAC GCC AAG TGT GAA AGT CCA CAA GAA CAA AAA					
R N R N L G N Y A K C E S P Q E Q K					
873	882	891	900	909	918
AAT AAA AAA CTG CGG CAG ATA AAA TCT GAA CAG TTG TGT AAT GAA GAA AAG GAA					
N K K L R Q I K S E Q L C N E E K E					
927	936	945	954	963	972
CAA TTG GAC CCG AAA CCC CAA GTG TCA GGG AGA CCC CCA GTC ATC AAG CCT GAG					
Q L D P K P Q V S G R P V I K P E					
981	990	999	1008	1017	1026
GTG GAC TCA ACT TTT TGC CAC AAT TAT GTG TTT CCC ATA CAA ACA CTG GAC TGC					
V D S T F C H N Y V F P I Q T L D C					
1035	1044	1053	1062	1071	1080
AAA AGG AAA GAG TTG AAA AAA GTG CCA AAC AAC ATC CCT CCA GAT ATT GTT AAA					
K R K E L K K K V P N N I P P D I V K					
1089	1098	1107	1116	1125	1134
CTT GAC TTG TCA TAC AAT AAA ATC AAC CAA CTT CGA CCC AAG GAA TTT GAA GAT					
L D L S Y N K I N Q L R P K E F E D					

FIGURE 4C

1143	1152	1161	1170	1179	1188
GTT CAT GAG CTG AAG AAA TTA AAC CTC AGC AGC AAT GGC ATT GAA TTC ATC GAT					
V H E L K K L N L S S N G I E F I D					
1197	1206	1215	1224	1233	1242
CCT GCC GCT TTT TTA GGG CTC ACA CAT TTA GAA GAA TTA GAT TTA TCA AAC AAC					
P A A F L G L T H L E E L D L S N N					
1251	1260	1269	1278	1287	1296
AGT CTG CAA AAC TTT GAC TAT GGC GTA TTA GAA GAC TTG TAT TTT TTG AAA CTC					
S L Q N F D Y G V L E D L Y F L K L					
1305	1314	1323	1332	1341	1350
TTG TGG CTC AGA GAT AAC CCT TGG AGA TGT GAC TAC AAC ATT CAC TAC CTC TAC					
L W L R D N P W R C D Y N I H Y L Y					
1359	1368	1377	1386	1395	1404
TAC TGG TTA AAG CAC CAC TAC AAT GTC CAT TTT AAT GGC CTG GAA TGC AAA ACG					
Y W L K H H Y N V H F N G L E C K T					
1413	1422	1431	1440	1449	1458
CCT GAA GAA TAC AAA GGA TGG TCT GTG GGA AAA TAT ATT AGA AGT TAC TAT GAA					
P E E Y K G W S V G K Y I R S Y E					
1467	1476	1485	1494	1503	1512
GAA TGC CCC AAA GAC AAG TTA CCA GCA TAT CCT GAG TCA TTT GAC CAA GAC ACA					
E C P K D K L P A Y P E S F D Q D T					

FIGURE 4D

1521	1530	1539	1548	1557	1566
GAA GAT GAT GAA TGG GAA AAA AAA CAT AGA GAT CAC ACC GCA AAG AAG CAA AGC					
E D D E W E E K K H K H R D H T A K K Q S					
1575	1584	1593	1602	1611	1620
GTA ATA ATT ACT ATA GTA GGA TAA GGT AGA AAT TGT TCT GAT TGT AAT TAG TTT					
V I I T I V G					
1629	1638	1647	1656	1665	1674
TGT ATT TTC TAT ACT GGT GTT AGA AAA CAT ATG TTT ACA TTT GAT TAA CTG TGT					
1683	1692	1701	1710	1719	1728
TGC CTA TTT ATG CAG GGT AAT CCA GCT AAA GGA AGC TTT CTT TAA TTA TAA GTA					
1737	1746	1755	1764	1773	1782
TTA TTG TGA CTA TTA TAG TAA TCA AGA GAA TGC TAT CAT CCT GCT TGC CTG TCC					
1791	1800	1809	1818	1827	1836
ATT TGT GGA ACA GCA TCT TGT GGT GAT ATG CAA TTC CAC ACT GGT AAC CTG CAG CAG					
1845	1854	1863	1872	1881	1890
TTG GGT CCT AAT GAT GGC ATT AGA CTT TCA TAA TGT CCT GTA TAA ATG TTT TTA					

FIGURE 4E

	1899	1908	1917	1926	1935	1944
CTG	CTT TTA	GAA AAT AAA	GAA AAA AAA	CTT GGT TCA	TGT TTA CAT	GCC TTT CGA
TAG	CTG TTT	GTG CAT ACT	TAA AGA TGA	TCA AAA TGA	TTT TAT ACA	AAT GCT GTT
ATA	ATA AAA	TGT CAT TCC	CTA CCC CTC	TAC TTT TTT	TCA GTA AGT	CAT CTT ATA
CAT	TAA ATA	AAT TTC CAT	TTC TGA AAA	AAA A 3'		

1	MRVVTIVILLFCFCKAAAEELRKASPGSVRSRVNHGRAGGRR	1352286
1	MRVVTIVILLFCFCKAAAEELRKASPGSVRSRVNHGRAGGRR	GI 1236329
41	GSNPVKRYAPGLPCDVYTYLHEKYYLDCQERKLVYVLP GWP	1352286
41	GSNPVKRYAPGLPCDVYTYLHEKYYLDCQERKLVYVLP GWP	GI 1236329
81	QDLLHMLLARINKIRTLKNNMFSKFKKLLKSLDLQQNEISKI	1352286
81	QDLLHMLLARINKIRTLKNNMFSKFKKLLKSLDLQQNEISKI	GI 1236329
121	ESEAFFGGLNKLTTLLLQHNOIKVLT EEEVFIYTPLLSYLRL	1352286
121	ESEAFFGGLNKLTTLLLQHNOIKVLT EEEVFIYTPLLSYLRL	GI 1236329
161	YDNPWHCTCEIETLISMLQIPRNRNLGNYAKCESPQEOKN	1352286
161	YDNPWHCTCEIETLISMLQIPRNRNLGNYAKCESPQEOKN	GI 1236329
201	KKLRQIKSEQLCNEE - KEQLDPKPKQVSGRPPVVIKPEVDST	1352286
201	KKLRQIKSEQLCNEE KEQLDPKPKQVSGRPPVVIKPEVDST	GI 1236329
240	FCHN YVFP IQTLDCCKRKE LKKVPNNIPPDIVKLDLSYNKI	1352286
241	FCHN YVFP IQTLDCCKRKE LKKVPNNIPPDIVKLDLSYNKI	GI 1236329

FIGURE 5A

280	NQLRPK	EFEDV	HELKK	LNLS	SSNG	IEFI	DP	AA	FL	GL	TH	LEE	1352286
281	NQLRPK	EFEDV	HELKK	LNLS	SSNG	IEFI	DP	GS	-	-	-	-	GI 1236329
320	LDLS	NNSL	QNF	DYGV	LED	LYFL	KL	LL	WL	RD	NP	WR	CDYNIHY
312	-	-	-	-	-	-	-	-	-	-	-	-	1352286
	-	-	-	-	-	-	-	-	-	-	-	-	GI 1236329
360	LYYW	LKH	HYN	VHF	NG	LE	CKT	PE	EY	KG	WS	VG	KYIRSYEEEC
313	-	-	-	-	-	-	-	-	-	-	-	-	1352286
	-	-	-	-	-	-	-	-	-	-	-	-	GI 1236329
400	PKDK	LPAY	PE	SF	DQ	DT	ED	DE	WE	KK	HR	DH	TAKKOSVITIV
313	-	-	-	-	-	-	-	-	-	-	-	-	1352286
440	G	-	-	-	-	-	-	-	-	-	-	-	GI 1236329
313	-	-	-	-	-	-	-	-	-	-	-	-	

FIGURE 5B

103290° 2596860

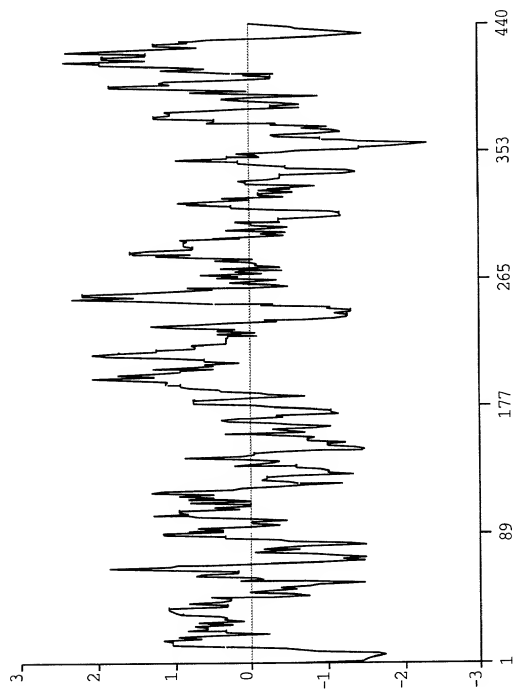


FIGURE 6A

108290' 25916860

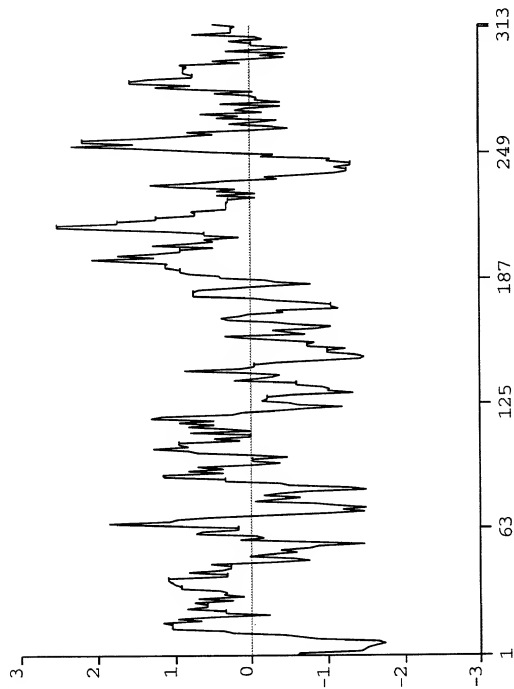


FIGURE 6B

[illegible][illegible]

FIGURE 7A

387	AGT GAC TCT CTC	396	TTT TCC GGT GAT GAA	405	AAE GCT GGT GAG	414	AAE GCT GGT GAG	423	AAE GCT GGT GAG	432	AAE GCT GGT GAG
	S D S L F S G D E E N A G T E E V K										
441	AAT GAA ATA AAT GGA AAT TGG ATT TCA GCA	450	AAT TCC TCC ATT AAC GAA	459	ATC TCC TCC ATT AAC GAA	468	ATC TCC TCC ATT AAC GAA	477	ATC TCC TCC ATT AAC GAA	486	ATC TCC TCC ATT AAC GAA
	N E I N G N W I S A S I N E A R I										
495	AAT GCC AAG GCA AAA AGG CGA CTA AGG AAA	504	AAT TCC TCC ATT AAC GAA	513	ATC TCC TCC ATT AAC GAA	522	ATC TCC TCC ATT AAC GAA	531	ATC TCC TCC ATT AAC GAA	540	ATC TCC TCC ATT AAC GAA
	N A K A K A K R L R K N S S R D S G R										
549	GGC GAT TCG GTC AGC GAC AGT GGG AGT GAC	558	GAC GGC GGC CTT AGA AGT GGA	567	GAC GGC CTT AGA AGT GGA	576	GAC GGC CTT AGA AGT GGA	585	GAC GGC CTT AGA AGT GGA	594	GAC GGC CTT AGA AGT GGA
	G D S V S D S G S D A L R S G L T V										
603	CCA ACC AGT CCA AAG GGA AGG TTG CTG GAT	612	GAT AGG CGA TCC AGA TCT GGG AAA	621	GAT AGG CGA TCC AGA TCT GGG AAA	630	GAT AGG CGA TCC AGA TCT GGG AAA	639	GAT AGG CGA TCC AGA TCT GGG AAA	648	GAT AGG CGA TCC AGA TCT GGG AAA
	P T S P K G R L L D R R S R S G K G										
657	AGG GGA CTA CCA AAG AAA GGT GGT GCA	666	GGA GGC AAA GGC AAA GGT GTC TGG	675	GGA GGC AAA GGC AAA GGT GTC TGG	684	GGA GGC AAA GGC AAA GGT GTC TGG	693	GGA GGC AAA GGC AAA GGT GTC TGG	702	GGA GGC AAA GGC AAA GGT GTC TGG
	R G L P K K G G A G G K G V W G T P										
711	GGG CAG GTG TAT GAT GTG GAG GTG GAT	720	GAT GTG AAA GAT CCT AAC TAT GAT	729	GAT GTG AAA GAT CCT AAC TAT GAT	738	GAT GTG AAA GAT CCT AAC TAT GAT	747	GAT GTG AAA GAT CCT AAC TAT GAT	756	GAT GTG AAA GAT CCT AAC TAT GAT
	G Q V Y D V E E V D V K D P N Y D D										

FIGURE 7B

765	GAC CAG GAG AAC TGT GTT TAT GAA ACT GTA GTT TTG CCT TTG GAT GAA AGG GCA	774	783	792	801	810
D Q E N C V Y E T V V L P L D E R A						
819	TTT GAG AAG ACT TTA ACA CCA ATC ATA CAG GAA TAT TTT GAG CAT GGA GAT ACT	828	837	846	855	864
F E K T L T P I I Q E Y F E H G D T						
873	AAT GAA GTT GCG GAA ATG TTA AGA GAT TTA AAT CTT GGT GAA ATG AAA AGT GGA	882	891	900	909	918
N E V A E M L R D L N L G E M K S G						
927	GTA CCA GTG TTG GCA GTA TCC TTA GCA TTG GAG GGG AAG GCT AGT CAT AGA GAG	936	945	954	963	972
V P V L A V S L A L E G K A S H R E						
981	ATG ACA TCT AAG CTT CTT TCT GAC CTT TGT TGT GGG ACA GTA ATG AGC ACA ACT GAT	990	999	1008	1017	1026
M T S K L L S D L C G T V M S T T D						
1035	GTG GAA AAA TCA TTT GAT AAA TTG TTG AAA GAT CTA CCT GAA TTA GCA CTG GAT	1044	1053	1062	1071	1080
V E K S F D K L L L K D L P E L A L D						
1089	ACT CCT AGA GCA CCA CAG TTG GTG GGC CAG TTT ATT GCT AGA GCT GTT GGA GAT	1098	1107	1116	1125	1134
T P R A A P Q L V G Q F I A R A V G D						

FIGURE 7C

1143	1152	1161	1170	1179	1188
GGA ATT TTA TGT AAT ACC TAT ATT GAT AGT TAC AAA GGA ACT GTA GAT TGT GTG					
G I L C N T Y I D S Y K G T V D C V					
1197	1206	1215	1224	1233	1242
CAG GCT AGA GCT CTG GAT AAG GCT ACC GTG CTT CTG AGT ATG TCT AAA GGT					
Q A R A A L D K A T V L L S M S K G					
1251	1260	1269	1278	1287	1296
GGA AAG CGT AAA GAT AGT GTG TGG GGC TCT GGA GGT GGG CAG CAA TCT GTC AAT					
G K R K D S V W G S G G Q Q S V N					
1305	1314	1323	1332	1341	1350
CAC CTT GTT AAA GAG ATT GAT ATG CTG CTG AAA GAA TAT TTA CTC TCT GGA GAC					
H L V K E I D M L L K E Y L L S G D					
1359	1368	1377	1386	1395	1404
ATA TCT GAA GCT GAA CAT TGC CTT AAG GAA CTG GAA GTA CCT CAT TTT CAC CAT					
I S E A E H C L K E L E V P H F H H					
1413	1422	1431	1440	1449	1458
GAG CTT GTA TAT GAA GCT ATT ATA ATG GTT TTA GAG TCA ACT GGA GAA AGT ACA					
E L V Y E A I I M V L E S T G E S T					
1467	1476	1485	1494	1503	1512
TTT AAG ATG ATT TTG GAT TTA TTA AAG TCC CTT TGG AAG TCT TCT ACC ATT ACT					
F K M I L D L L K S L W K S S T I T					

FIGURE 7D

1521	1530	1539	1548	1557	1566
GTA GAC CAA	ATG AAA AGA	GGT TAT GAG	AGA ATT TAC	AAT GAA ATT	CCG GAC ATT
V D Q M	K R G Y	E R I Y	N E I P	D I	
1575	1584	1593	1602	1611	1620
AAT CTG GAT	GTC CCA CAT	TCA TAC TCT	GTG CTG GAG	CGG TTT GTA	GAA GAA TGT
N L D V	P H S Y	S V L E	R F V E	E C	
1629	1638	1647	1656	1665	1674
TTT CAG GCT	GGA ATA ATT	TCC AAA CAA	CTC AGA GAT	CTT TGT CCT	TCA AGG GGC
F Q A G	I I S K	Q L R D	L C P S	R G	
1683	1692	1701	1710	1719	1728
AGA AAG CGT	TTT GTA AGC	GAA GGA GAT	GGA GGT CGT	CTT AAA CCA	GAG AGC TAC
R K R F	V S E G	D G R L	K P E S	Y	
1737	1746	1755	1764	1773	1782
TGA ATA TAA	GAA CTC TTG	CAG TCT TAG	ATG TTA TAA	AAA TAT ATA	TCT GAA TTG
1791	1800	1809	1818	1827	1836
TAA GAG TTG	TTA GCA CAA	GTT TTT TTT	TTT TTT TTT	TAA GCA CTT	GTT TTG
1845	1854	1863	1872	1881	1890
GGT ACA AGG	CAT TTC TGA	CAT TTT ATA	AAC CTA CAT	TTA AGG GGA	ATT TTT AAA

FIGURE 7E

1899	1908	1917	1926	1935	1944
GGG AAT GTT TTT TCT TTT TTT GTT TTT CGA GGG AAG GAG GGA CAG AAA					
1953	1962	1971	1980	1989	1998
AGT AAC CTC TTC TTA AGT GGA ATA TTC TAA TAA GCT ACC TTT TGT AAG TGC CAT					
2007	2016	2025	2034	2043	2052
GTT TAT TAT CTA ATC ATT CCA AGT TTT GCA TTG ATG TCT GAC TGC CAC TCC TTT					
2061	2070	2079	2088	2097	2106
CTT TCA AGG ACA GTG TTT TTT GTA GTA AAA TCA CTG GTT TAT ACA AAG CTT TAT					
2115	2124	2133	2142	2151	2160
TTA GGG GGT AAA GTT AAG CTG CTA AAA CCC CAT GTT GGC TGC TGT TGA GAT					
2169	2178	2187	2196	2205	2214
ACT GTG CTT TGG GAG TAA AAA AAG AAA GTT ATT TCT TTG TCT TAA AGA ATT TTT					
2223	2232	2241	2250	2259	2268
AAA AAA TTA GTC ATG AGA CTT ATT CAT CTT TCC AGG GAA CAT ACT GAT TGG TCT					

FIGURE 7F

108230-25246860

2277	TAA AAG ACT AGA CAG TTA AGT AAA AGG TGG CTG GAA CAT CTA TTT TTC TAC AAA	2322
2286		2313
2295		2304
2331	ACT CGA AAA ATG AAC CTG GTT CTA GAA GAA TGT ACA CCA AAA TAA AAC ATG TGA	2376
2340		2367
2349		2358
2385	AGC AGT ATT GAA AAA AAA AA 3'	
2394		

FIGURE 7G

1	MDVENEQILNVNPA	DDNLSDSLFSGDEENAGT	EEVKNEI	815087
1	MDIENEQTLNVNPT	DDNLSDSLFSGDEENAGT	EIKNEI	GI 1384078
41	NGNWISASSINEAR	INAKAKRRLRKNSSRD	SGDSSVSDS	815087
41	NGNWISASTINEAR	INAKAKRRLRKNSSRD	SGDSSVSDN	GI 1384078
81	GSDALRSGLTVPT	SPKGRLLDRRSRSG	GKGRGLPKKGGAGG	815087
81	GSEAVRSGVA	VPTSPKGRLLDRRSRSG	GKGRGLPKKGGAGG	GI 1384078
121	KGVWGT	PGQVYDVEEVDVKDP	NYDDDDQENCVYETV	815087
121	KGVWGT	PGQVYDVEEVDVKDP	NYDDDDQENCVYETV	GI 1384078
161	ERAF	EKTLLTPIIQEYFEHGD	TNEVAEMLRDLNLGEMKSGV	815087
161	ETAF	EKTLLTPIIQEYFEHGD	TNEVAEMLRDLNLGEMKSGV	GI 1384078
201	PVLAVSLALEGKA	SHREMTSKLLSDDL	CGTVMSTTDVEKSF	815087
201	PVLAVSLALEGKA	SHREMTSKLLSDDL	CGTVMSTNDVEKSF	GI 1384078
241	DKLLKDLPEL	ALDTPRAPQLVGQFI	ARAVGDGILCNTYID	815087
241	DKLLKDLPEL	ALDTPRAPQLVGQFI	ARAVGDGILCNTYID	GI 1384078

FIGURE 8A

281	SYKGTVD	CVQARA	ALDKAT	VLLSMS	KGK	KDKDS	VWGS	GGG	815087
281	SYKGTVD	CVQARA	ALDKAT	VLLSMS	KGK	KDKDS	VWGS	GGG	GI 1384078
321	QQSVN	HLLVKE	IDMLL	KEYLL	LSGDI	SEAEH	CLKE	LEVPHFH	815087
321	QQSVN	HLLVKE	IDMLL	KEYLL	LSGDI	SEAEH	CLKE	LEVPHFH	GI 1384078
361	HEL	VYEA	IIMV	LEST	GEST	TFKM	ILDL	LKSLWK	STITVDQ
361	HEL	VYEA	IIMV	LEST	GEST	TFKM	ILDL	LKSLWK	STITITIDQ
401	MKRG	YERI	IYNE	IPD	INLD	VPHSY	SVLER	FVEEC	FQAGIIS
401	MKRG	YERI	IYNE	IPD	INLD	VPHSY	SVLER	FVEEC	FQAGIIS
441	KQLR	DLCP	SRGR	KRFV	SEGD	GGRL	KPES	Y	815087
441	KQLR	DLCP	SRGR	KRFV	SEGD	GGRL	KPES	Y	GI 1384078

FIGURE 8B

703290.25946860

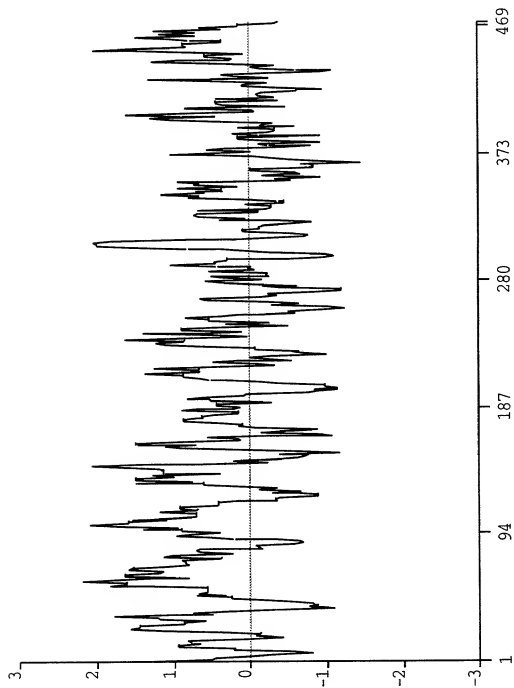


FIGURE 9A

T08230.45916660

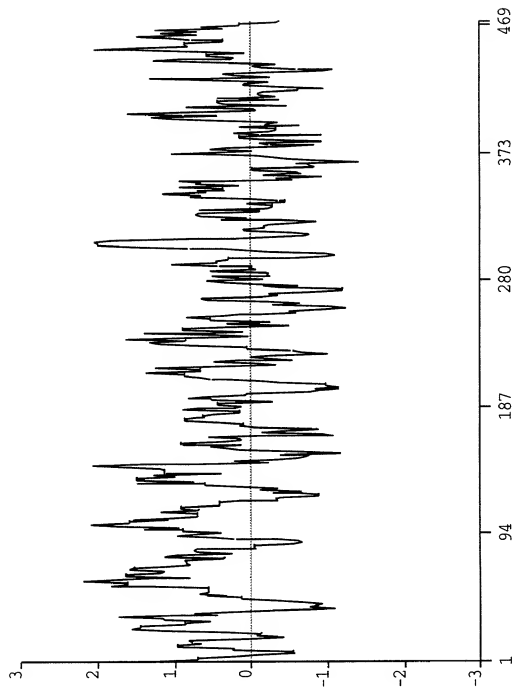


FIGURE 9B